



## Agriscience Finalists

| Student Name                      | Chapter         | Research Title   | Division |
|-----------------------------------|-----------------|--|----------|
| <b>Animal Systems</b>             |                 |  |          |
| Charlee Modellmog                 | Canton-Galva    | Analyzing Food Response in Canines   | 1        |
| Karlyn Ryan                       | Moundridge      | Horses Preference on Color   | 1        |
| Zoe Winsor                        | Moundridge      | The Effects of Different Conditions on a Horse's Heart Rate Patterns                             | 1        |
| Anna Galle & Payton Wilson        | Moundridge      | How Music Affects the Heart Rate and Behavior of Livestock Animals                               | 2        |
| Dallas Jones                      | Canton-Galva    | Feeding Time and its Impact on Calving Time with Mature Cows                                     | 3        |
| Faith McMannis                    | Canton-Galva    | Analyzing the Heart Rate Between Humans and Horses   | 3        |
| Kayleigh Goggins                  | Junction City   | Assessing Body Condition of Post-Partum Cows to Determine Nutritional Needs for Body Maintenance | 3        |
| Leah Howard & Nell Goss           | Ellsworth       | How does Medicated vs. Non-Medicated Chick Feed affect Growth Rates?                             | 4        |
| John Svaty & Molly Ehrlich        | Ellsworth       | Does the addition of electrolytes affect the growth rate of chicks?                              | 4        |
| Hunter Doolittle & Mason Ferguson | Marmaton Valley | Influence of Protein Variation on Chick Development  | 4        |
| Gannon Evans                      | Canton-Galva    | Analyzing Egg production using Different Feeds with the Leghorn Chickens                         | 5        |
| Ethan Harrington                  | Canton-Galva    | Comparison of Insect Derived Chapstick to Unnatural Products                                     | 5        |
| Kennedy Moreland                  | Junction City   | Determining When Pecking Order is Established in Young Chickens                                  | 5        |
| Ally Otte & Eliana Weber          | Beloit          | The Effects of Different Chick Feed on Growth in the First Month                                 | 6        |
| Camden Kruse & Cade Schmidt       | Canton-Galva    | Bait Debate: Which Catches More Fish—Live or Artificial?   | 6        |
| Maggie Bohl & Mallory Dobrinski   | Ellsworth       | Profitability of Incorporating Technology in Feedlots  | 6        |

## Environmental Services and Natural Resource Systems

|                                   |               |   |   |
|-----------------------------------|---------------|---|---|
| Quintin Shaw & Tanner Riley       | Canton-Galva  | A Comparative Study of Firewood Efficiency in Kansas Hardwood Species                                   | 2 |
| Cane Krase                        | Canton-Galva  | Fowl Water; Analyzing the Quality Grade of Chicken Coop Water   | 3 |
| Brittney Dibben                   | Junction City | Determining Soil Organic Matter Content of Tilled Vs. No Till Crop Fields                               | 3 |
| Collin Goracke & Grayden Mariscal | Ashland       | what shop soap is best for removing oil   | 4 |
| Jase Beltz                        | Canton-Galva  | An Evaluation of the Role of Soil Type in Water Filtration: A Comparative Study of Sand, Silt, and Clay | 5 |
| Kourtney Dibben                   | Junction City | Cold Germination Test in Corn   | 5 |
| Ruby Gommel-Osthoff               | Smith Center  | Stacking the Brix to Restoring Soil Health  | 5 |
| Jaxon Nightingale & Wyatt Henry   | Canton-Galva  | The Effects of Crude Oil pH on Engine Performance   | 6 |

## Food Products and Processing Systems

|                                   |               |  |   |
|-----------------------------------|---------------|--|---|
| Annah Schrag                      | Moundridge    | How Different Flour Affects the Properties of Bread  | 1 |
| Anjelica Elliot & Rylee Lacy      | Canton-Galva  | Evaluating Consumer Taste Preference Between a Healthier and Traditional Pie Option              | 2 |
| Cooper Johnson & Keaton Krehbiel  | Canton-Galva  | The Impact of Defrosting Methods on the Cooked Quality of Protein                                | 2 |
| Wesley Prieb & Hayden Hett        | Canton-Galva  | Evaluating Taste Preferences in Local Fish Species   | 2 |
| Elianna Galindo                   | Ashland       | Why does bread mold?   | 3 |
| Brynn Kruse                       | Canton-Galva  | Analyzing the Difference in Sugar Content Comparative to their Nutritional Labels and Expiration | 3 |
| Honesty Williams & Cohner Janssen | Canton-Galva  | A Comparative Analysis of Mold Growth and Sugar Content in Organic vs. Inorganic Fruits          | 4 |
| Grady Oentrich                    | Junction City | Determining the best storage methods for chicken eggs  | 5 |
| Ellie Samms & Haley Brogan        | Winfield      | Cookie Preferences Based on Ingredient Prices  | 6 |

## Plant Systems

|                                 |               |   |   |
|---------------------------------|---------------|---|---|
| Heath Ratzlaff & Kyler Sawatsky | Canton-Galva  | WATER QUALITY EFFECTS ON LEAF LETTUCE                         | 2 |
| Brinley Orth                    | Canton-Galva  | Analyzing Shape and Angle of Cuts to Preserve Cut Flowers     | 3 |
| Karli Haase                     | Ellsworth     | Does crowding affect the growth of airplane plants?           | 3 |
| Kade Hartman                    | Lakin         | Organic Fertilizers   | 3 |
| Jaycob Dieker & Gabe Schmeidler | Canton-Galva  | Plant Growth With Differing Types of Artificial Light         | 4 |
| Keira Gliniecki                 | Junction City | DO FLOWERS LAST LONGER WITH BASIC, ACIDIC, OR NUTRAL LIQUIDS? | 5 |

|  |               |   |   |
|--|---------------|---|---|
| Audra Oborny                                   | La Crosse     | Effect of Planting Methods on Days to Germinate in Cucumbers  | 5 |
| Cassidy Lawrence & Autumn Ross-Underwood       | Winfield      | Does Organic Material Increase Plant Yield?   | 6 |
| <b>Power, Structural and Technical Systems</b> |               |   |   |
| Tia Williams                                   | Moundridge    | Testing the Strongest Ratio of Concrete Mixtures  | 1 |
| Sheperd Kidd                                   | Canton-Galva  | Torque Talk   | 5 |
| Wyatt Sutton                                   | Ness City     | Viability of Corn Stover Ethanol  | 5 |
| Michael Vinsonhaler                            | Seaman        | Color Wars - Green or Red   | 5 |
| <b>Social Systems</b>                          |               |   |   |
| Lili Dieker                                    | Canton-Galva  | A Social Survey on Women in   | 1 |
| McKensie Parson                                | Canton-Galva  | The Protein Perspective: A Survey on Consumer Choices   | 1 |
| Lainey Kendig                                  | Osborne       | Mix or Buy? Choosing the Right Ration for Your Replacement Heifers?   | 1 |
| Levi Henry & Rustin Ayres                      | Canton-Galva  | Bulls, Barrels, or Bronc Riding? Analyzation of a Survey of Rodeo Event Popularity  | 2 |
| Chase Wescott & Chance O'Hara                  | Canton-Galva  | Meat Matters: A Social Survey on Consumer Preferences in Meat Consumption   | 2 |
| Hannah Huddleston                              | Junction City | Determining Perceptions of Service Activities Among Kansas Advisors   | 3 |
| Emma Arbuckle                                  | West Elk      | Assessing Basic Agricultural Literacy in Sixth Through Eighth Grade Kansas Students   | 3 |
| Blake Proietti                                 | Junction City | NO TITLE WAS PROVIDED   | 5 |
| Cora Coffey                                    | Manhattan     | Client Needs Within Riley County Food Banks   | 5 |
| Marie Wright & Kiley Dillow                    | Chanute       | Evaluating Consumer Sensory Preferences for Tenderness, Juiciness, and Overall Likability of Various Muscle Cuts Used as Fajita Meats | 6 |
| Josie Kueser & Jodi Donley                     | Ellsworth     | Does Beef Package Labeling Affect Consumers Purchasing/Spending Habits?   | 6 |
| Kaitlyn Sohnrey & Riley Sams-Frost             | Junction City | How Do Research-Extension Programs Influence Local Production Agriculture Practices?  | 6 |